

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 0070 Meridian

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Bypass			Right	7.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2017 - 4/6/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Andy Duffey			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0070_01_f_2015_12				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0070_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0070_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2014.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	36
LM End	0.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23463
DS_ID:21347
EP_NO: 3804
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart.
FIELD_STRUCT_DESC: 12-inch steel gas pipe through the levee, 3.6 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3804-1961)
FS Date: 10/21/2013

LM Start	0.42	Rating **	M	Issue No.	36 (cont)
LM End	0.42	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23463_40622.jpg



View of waterward side--no markers visible.

Photo 2 of 3 : UCIP_SP_2017_23463_40621.jpg



View of landward side where gas line markers are visible approximately 900 feet from levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	36 (cont)
LM End	0.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23463 DS_ID:21347 EP_NO: 3804 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart. FIELD_STRUCT_DESC: 12-inch steel gas pipe through the levee, 3.6 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3804-1961) FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_SP_2017_23463_40620.jpg



View of gas line markers approximately 900 feet away.

LM Start	0.55	Rating **	M	Issue No.	37
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23227					
DS_ID:21348					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact PG&E to confirm that crossing was completely removed.					
FIELD_STRUCT_DESC: 16-inch steel gas line through the levee, 2.5 feet below the crown. Pipe was removed and replaced with 8-inch steel pipe under Permit No. 15936 (2005).					
FS Date: 10/21/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	38
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23228					
DS_ID:21349					
EP_NO: 4994					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact PG&E to determine fate of crossing--active or inactive.					
FIELD_STRUCT_DESC: 12-inch high-pressure steel gas line through the levee, 2.5 feet below the crown. Concrete cutoff wall around pipe between center and waterward shoulder. Marker signs at shoulders.					
(Permit No. 4994-1965)					
FS Date: 10/21/2013					

No Photos

LM Start	0.55	Rating **	M	Issue No.	39
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23384 DS_ID:21415 EP_NO: 15936 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No markers visible on levee slope or levee toe to indicate line crosses levee. Need to contact PG&E to confirm location through levee. Also need to confirm the emergency contact person for this crossing. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.5 feet below the crown. Gas line markers on the landward side. (Permit No. 15936-2005) FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23384_40249.jpg



View of markers on the east side of S. Tarke Road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	39 (cont)	
LM End	0.55	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.142565 °	39.142565 °	
				-121.841600 °	-121.841600 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23384						
DS_ID:21415						
EP_NO: 15936						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: No markers visible on levee slope or levee toe to indicate line crosses levee. Need to contact PG&E to confirm location through levee. Also need to confirm the emergency contact person for this crossing.						
FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.5 feet below the crown. Gas line markers on the landward side. (Permit No. 15936-2005)						
FS Date: 10/21/2013						

LM Start	0.55	Rating **	M	Issue No.	39 (cont)
LM End	0.55	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_23384_40247.jpg



View of markers on the west side of S. Tarke Road.

Photo 3 of 3 : UCIP_SP_2017_23384_40248.jpg



delete

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.57	Rating **	M	Issue No.	40
LM End	0.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142682 °	39.142682 °
				-121.841913 °	-121.841913 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23503 DS_ID:21351 EP_NO: 3686 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to find the gate valve on landward side. Walkway on waterward side in bad shape. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0300 for 18 inch pipe. Pipe on LS is 10 inch not 18 inch. SEE UCIP DS_ID 21350 for details pertaining to 18 inch pipe. FIELD_STRUCT_DESC: 10-inch pipe and electrical conduit through the levee, 14.8 and 1.0 feet below the crown, respectively. Gate valve on landward end--not found during 10/21/13 pipe inventory. Pump on pile structure in stream. Walkway to slide gate on waterward end. Rock revetment on waterward slope. Pump and concrete support piers at waterward toe installed under Permit No. 3686 (1963). Service pole with meter and control panel at landward toe. FS Date: 10/21/2013					

LM Start	0.57	Rating **	M	Issue No.	40 (cont)
LM End	0.57	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23503_40784.jpg



View of levee crown looking upstream from crossing.

Photo 2 of 3 : UCIP_SP_2017_23503_40780.jpg



View of levee crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.57	Rating **	M	Issue No.	40 (cont)
LM End	0.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142682 °	39.142682 °
				-121.841913 °	-121.841913 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23503 DS_ID:21351 EP_NO: 3686 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to find the gate valve on landward side. Walkway on waterward side in bad shape. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0300 for 18 inch pipe. Pipe on LS is 10 inch not 18 inch. SEE UCIP DS_ID 21350 for details pertaining to 18 inch pipe. FIELD_STRUCT_DESC: 10-inch pipe and electrical conduit through the levee, 14.8 and 1.0 feet below the crown, respectively. Gate valve on landward end--not found during 10/21/13 pipe inventory. Pump on pile structure in stream. Walkway to slide gate on waterward end. Rock revetment on waterward slope. Pump and concrete support piers at waterward toe installed under Permit No. 3686 (1963). Service pole with meter and control panel at landward toe. FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_SP_2017_23503_40785.jpg



View of waterward side--dense vegetation along slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.63	Rating **	M	Issue No.	41
LM End	0.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23467 DS_ID:21354 EP_NO: 14802 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Markers found about 159 feet upstream of coordinates at the crossing of the ramp and S. Tarke Road (39.142684, -121.842685). FIELD_STRUCT_DESC: 4-inch steel gas pipe through the levee, 2.5 feet below the crown. Aluminum pipe marker on landward slope. (Permit No. 14802-1987) Contact emergency information for Pacific Gas & Electric Company 1-800-344-4749? 4742? or 1-916-742-3251. FS Date: 10/21/2013					

LM Start	0.63	Rating **	M	Issue No.	41 (cont)
LM End	0.63	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23467_40643.jpg



Underground Service Alert (USA) flag located at the end of Hwy 20 confirming gas line goes through.

Photo 2 of 3 : UCIP_SP_2017_23467_40641.jpg



Additional appurtenances for gas line located at landward side near S. Tarke Rd.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.63	Rating **	M	Issue No.	41 (cont)
LM End	0.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23467 DS_ID:21354 EP_NO: 14802 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Markers found about 159 feet upstream of coordinates at the crossing of the ramp and S. Tarke Road (39.142684, -121.842685). FIELD_STRUCT_DESC: 4-inch steel gas pipe through the levee, 2.5 feet below the crown. Aluminum pipe marker on landward slope. (Permit No. 14802-1987) Contact emergency information for Pacific Gas & Electric Company 1-800-344-4749? 4742? or 1-916-742-3251. FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_SP_2017_23467_40640.jpg



Close-up of the additional appurtenances for gas line located landward side.

LM Start	0.70	Rating **	M	Issue No.	42
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23526					
DS_ID:21355					
EP_NO: 9961					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend addressing burrow activity at this location. Also recommend having owner clear vegetation blocking access along walkway. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_290.					
FIELD_STRUCT_DESC: 10-inch (not 12-inch as noted in desk study) steel pipe through the levee, 5.4 feet below the crown. Siphon breaker in CM pipe riser on landward slope. 24-inch concrete standpipe at landward toe. Walkway to pump on pile structure in stream. This pipe was retained under ABO No. 9961 (1974).					
FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23526_40942.jpg



View of levee crown and waterward berm looking downstream from crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.70	Rating **	M	Issue No.	42 (cont)
LM End	0.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23526 DS_ID:21355 EP_NO: 9961 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend addressing burrow activity at this location. Also recommend having owner clear vegetation blocking access along walkway. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_290. FIELD_STRUCT_DESC: 10-inch (not 12-inch as noted in desk study) steel pipe through the levee, 5.4 feet below the crown. Siphon breaker in CM pipe riser on landward slope. 24-inch concrete standpipe at landward toe. Walkway to pump on pile structure in stream. This pipe was retained under ABO No. 9961 (1974). FS Date: 10/21/2013					

Photo 2 of 3 : UCIP_SP_2017_23526_40941.jpg



View of standpipe and CMP riser located on landward side.

LM Start	0.70	Rating **	M	Issue No.	42 (cont)
LM End	0.70	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_23526_40940.jpg



View of levee crown and waterward berm looking upstream from crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.75	Rating **	M	Issue No.	33
LM End	0.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.145095 °	39.145095 °
				-121.842865 °	-121.842865 °
DWR ID	DWR_RD0070_01_f_2016_33				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2017_RD0070_29_33_20170315_00008.jpg



View of the prunings along the landside toe.

LM Start	1.06	Rating **	M	Issue No.	28
LM End	1.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.145325 °	39.145325 °
				-121.846988 °	-121.846988 °
DWR ID	DWR_RD0070_01_s_2017_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree from the waterside slope and toe.					

Photo 1 of 1 : SP_2017_RD0070_29_28_20170410_00063.jpg



View of the tree along the waterside slope and toe.

LM Start	1.77	Rating **	M	Issue No.	32
LM End	1.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.151282 °	39.151282 °
				-121.855818 °	-121.855818 °
DWR ID	DWR_RD0070_01_f_2016_32				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_29_32_20170315_00007.jpg



View of the rodent holes along the waterside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.83	Rating **	M	Issue No.	43
LM End	1.83	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.151786 °	39.151786 °
				-121.856875 °	-121.856875 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23508
DS_ID:21336
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE_CESPK_MRD1_2012_p_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch.
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box (7 ft by 9 ft) at landward toe. Service pole on waterward slope. Pump on concrete sump on waterward slope. Overhead power line crosses levee at location. This pipe was retained under ABO No. 9948 (1974) issued to Edward E. and Doris M. Nall. Permit No. 613 issued in May 29, 1934 is for 12 inch pipe issued to Waldo Nall.
FS Date: 10/21/2013

LM Start	1.83	Rating **	M	Issue No.	43 (cont)
LM End	1.83	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23508_40821.jpg



View of levee crown looking upstream from crossing.

Photo 2 of 3 : UCIP_SP_2017_23508_40819.jpg



Dense burrow activity found on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.83	Rating **	M	Issue No.	43 (cont)	
LM End	1.83	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.151786 °	39.151786 °	
				-121.856875 °	-121.856875 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23508 DS_ID:21336 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE_CESPK_MRD1_2012_p_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box (7 ft by 9 ft) at landward toe. Service pole on waterward slope. Pump on concrete sump on waterward slope. Overhead power line crosses levee at location. This pipe was retained under ABO No. 9948 (1974) issued to Edward E. and Doris M. Nall. Permit No. 613 issued in May 29, 1934 is for 12 inch pipe issued to Waldo Nall. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_SP_2017_23508_40820.jpg



View of waterward side.

LM Start	2.74	Rating **	M	Issue No.	27
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.157741 °	39.158135 °
				-121.871588 °	-121.872979 °
DWR ID	DWR_RD0070_01_s_2016_27				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_29_27_20170315_00003.jpg



Concrete ditch at landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.82	Rating **	M	Issue No.	44
LM End	2.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158151 °	39.158151 °
				-121.873005 °	-121.873005 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23530
DS_ID:21322
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to determine if crossing exists need to coordinate with LMA to determine if more information is available about crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0208 for concrete ditch lined within 15 feet of LS toe, no water present, and no USACE recommendation letter available.
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee. Cutoff wall around pipe at center of levee. Two slide gates, on each end of pipe. Pump on waterward side. Concrete distribution box on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 142+70).
FS Date: 10/21/2013

LM Start	2.82	Rating **	M	Issue No.	44 (cont)
LM End	2.82	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23530_40968.jpg



View of waterward side.

Photo 2 of 3 : UCIP_SP_2017_23530_40972.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.82	Rating **	M	Issue No.	44 (cont)	
LM End	2.82	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.158151 °		39.158151 °
				-121.873005 °		-121.873005 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23530 DS_ID:21322 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing exists need to coordinate with LMA to determine if more information is available about crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0208 for concrete ditch lined within 15 feet of LS toe, no water present, and no USACE recommendation letter available. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee. Cutoff wall around pipe at center of levee. Two slide gates, on each end of pipe. Pump on waterward side. Concrete distribution box on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 142+70). FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_SP_2017_23530_40971.jpg



Waterward side covered by vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0070 Meridian

Recent burrow activity soil months next to holes.

Page 16 of 36

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	3.37	Rating **	M	Issue No.	45 (cont)	
LM End	3.37	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.156437 °		39.156437 °
				-121.882519 °		-121.882519 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23506 DS_ID:21361 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on levee slopes. Multiple pipes found on landward side--are these pipes part of original crossing? This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0291--no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 21.5 feet below the crown. Gate valve on the waterward end. Discharges into concrete box on the landward side. Rock revetment on waterward slope. This pipe was retained under ABO No. 9944 (1974). FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_SP_2017_23506_40807.jpg



U shaped concrete box located on waterward side contains pump, motor, stairs, and pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	3.63	Rating **	M	Issue No.	46
LM End	3.63	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23510 DS_ID:21362 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0183 no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 19.5 feet below the crown. Slide gate on waterward end. Pump on waterward side. Concrete distribution box on landward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 180+50). This pipe was retained under ABO No. 9944 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23510_40837.jpg



Concrete head wall and screw gate at waterward toe.

LM Start	3.63	Rating **	M	Issue No.	46 (cont)
LM End	3.63	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23510_40838.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	3.63	Rating **	M	Issue No.	46 (cont)	
LM End	3.63	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.157330 °	39.157330 °	
				-121.887113 °	-121.887113 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23510 DS_ID:21362 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0183 no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 19.5 feet below the crown. Slide gate on waterward end. Pump on waterward side. Concrete distribution box on landward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 180+50). This pipe was retained under ABO No. 9944 (1974). FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_SP_2017_23510_40836.jpg



View of appurtenances located on waterward side.

LM Start	3.72	Rating **	M	Issue No.	29
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.158183 °	39.158183 °
				-121.888397 °	-121.888397 °
DWR ID	DWR_RD0070_01_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_29_29_20170315_00004.jpg



View of the ruts along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.55	Rating **	M	Issue No.	47
LM End	4.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166859 °	39.166859 °
				-121.898846 °	-121.898846 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23515
DS_ID:21364
EP_NO: 9954
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Power pole down on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0147.
FIELD_STRUCT_DESC: 18-inch (not 24-inch as listed in desk study) steel pipe through the levee, 18.0 feet below the crown. Pipe crosses levee at a 45 degree angle. Slide gate in concrete box (5x5 foot) at waterward toe. Pump in pump house on the waterward side--no pump house found on waterward side. Discharge box at the landward toe. Power pole at the waterward toe. This pipe was retained under ABO No. 9954 (1974).
FS Date: 10/21/2013

LM Start	4.55	Rating **	M	Issue No.	47 (cont)
LM End	4.55	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23515_40867.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_SP_2017_23515_40868.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.55	Rating **	M	Issue No.	47 (cont)
LM End	4.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166859 °	39.166859 °
				-121.898846 °	-121.898846 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23515 DS_ID:21364 EP_NO: 9954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Power pole down on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0147. FIELD_STRUCT_DESC: 18-inch (not 24-inch as listed in desk study) steel pipe through the levee, 18.0 feet below the crown. Pipe crosses levee at a 45 degree angle. Slide gate in concrete box (5x5 foot) at waterward toe. Pump in pump house on the waterward side--no pump house found on waterward side. Discharge box at the landward toe. Power pole at the waterward toe. This pipe was retained under ABO No. 9954 (1974). FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_SP_2017_23515_40869.jpg



View of concrete box located on waterward side, photo 2 of 2.

LM Start	4.57	Rating **	M	Issue No.	34
LM End	4.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.167168 °	39.167168 °
				-121.899102 °	-121.899102 °
DWR ID	DWR_RD0070_01_s_2015_34				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from landside toe.					

Photo 1 of 1 : SP_2017_RD0070_29_34_20170315_00009.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.59	Rating **	M	Issue No.	48
LM End	4.59	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167406 °	39.167406 °
				-121.899277 °	-121.899277 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23516 DS_ID:21339 EP_NO: 9951 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0144. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 16.3 feet below the crown. Pipe crosses levee at a 45 degree angle. Siphon breaker in CM pipe riser on landward slope. Gate valve on waterward end. Discharges into concrete discharge box. This pipe was retained under ABO No. 9951 (1974). FS Date: 10/21/2013					

LM Start	4.59	Rating **	M	Issue No.	48 (cont)
LM End	4.59	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23516_40873.jpg



View of pipe located on waterward side.

Photo 2 of 3 : UCIP_SP_2017_23516_40872.jpg



View of pipe on landward side inside concrete distribution box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.59	Rating **	M	Issue No.	48 (cont)	
LM End	4.59	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.167406 °	39.167406 °	
				-121.899277 °	-121.899277 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23516 DS_ID:21339 EP_NO: 9951 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0144. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 16.3 feet below the crown. Pipe crosses levee at a 45 degree angle. Siphon breaker in CM pipe riser on landward slope. Gate valve on waterward end. Discharges into concrete discharge box. This pipe was retained under ABO No. 9951 (1974). FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_SP_2017_23516_40874.jpg



Concrete distribution box located at landward toe.

LM Start	4.64	Rating **	M	Issue No.	35
LM End	4.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168030 °	39.168030 °
				-121.899805 °	-121.899805 °
DWR ID	DWR_RD0070_01_s_2017_35				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

Photo 1 of 1 : SP_2017_RD0070_29_35_20170410_00064.jpg



View of the prunings along landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.65	Rating **	M	Issue No.	30
LM End	4.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168110 °	39.168110 °
				-121.899910 °	-121.899910 °
DWR ID	DWR_RD0070_01_f_2016_30				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2017_RD0070_29_30_20170315_00005.jpg



View of the prunings along the landside toe.

LM Start	4.71	Rating **	M	Issue No.	49
LM End	4.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.168832 °	39.168832 °
				-121.900436 °	-121.900436 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23517					
DS_ID:21340					
EP_NO: 9954					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Burrow activity present on waterward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0134.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 19.0 feet below the crown. Slide gate on the waterward. Concrete distribution box at landward toe. This pipe was retained under ABO No. 9954 (1974).					
FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23517_40883.jpg



delete

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.71	Rating **	M	Issue No.	49 (cont)	
LM End	4.71	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.168832 °		39.168832 °
				-121.900436 °		-121.900436 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23517						
DS_ID:21340						
EP_NO: 9954						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Burrow activity present on waterward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0134.						
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 19.0 feet below the crown. Slide gate on the waterward. Concrete distribution box at landward toe. This pipe was retained under ABO No. 9954 (1974).						
FS Date: 10/21/2013						

Photo 2 of 3 : UCIP_SP_2017_23517_40877.jpg



View of pipe located on waterward side.

LM Start	4.71	Rating **	M	Issue No.	49 (cont)
LM End	4.71	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_23517_40882.jpg



View of slide gate on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.99	Rating **	M	Issue No.	50
LM End	4.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172334 °	39.172334 °
				-121.902998 °	-121.902998 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23518
DS_ID:21338
EP_NO: 9940
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125.
FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 19.0 feet below the crown. Cutoff wall around pipe at center of levee. Slide gate in concrete distribution box on landward side. Pump on waterward side. Discharges into concrete box on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 251+30). This pipe was retained under ABO No. 9940 (1974).
FS Date: 10/21/2013

LM Start	4.99	Rating **	M	Issue No.	50 (cont)
LM End	4.99	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23518_40886.jpg



View of waterward side--pipe and concrete distribution box.

Photo 2 of 3 : UCIP_SP_2017_23518_40887.jpg



View of waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.99	Rating **	M	Issue No.	50 (cont)
LM End	4.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172334 °	39.172334 °
				-121.902998 °	-121.902998 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23518 DS_ID:21338 EP_NO: 9940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 19.0 feet below the crown. Cutoff wall around pipe at center of levee. Slide gate in concrete distribution box on landward side. Pump on waterward side. Discharges into concrete box on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 251+30). This pipe was retained under ABO No. 9940 (1974). FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_SP_2017_23518_40890.jpg



Screw gate located inside concrete distribution box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	5.41	Rating **	M	Issue No.	51
LM End	5.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176780 °	39.176780 °
				-121.908025 °	-121.908025 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23519 DS_ID:21357 EP_NO: 9957 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity on slopes -- recommend addressing issue. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0110. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.5 feet below the crown. Siphon breaker in CM pipe riser on landward slope. Pump on waterward slope. Discharges into concrete box and service pole at landward toe. This pipe was retained under ABO No. 9957 (1975). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23519_40896.jpg



View of waterward side--pump, pipe, and walkway.

LM Start	5.41	Rating **	M	Issue No.	51 (cont)
LM End	5.41	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23519_40898.jpg



Pipe and electrical conduit exposed on levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	5.41	Rating **	M	Issue No.	51 (cont)
LM End	5.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.176780 °	39.176780 °
				-121.908025 °	-121.908025 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23519					
DS_ID:21357					
EP_NO: 9957					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Burrow activity on slopes -- recommend addressing issue. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0110.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 5.5 feet below the crown. Siphon breaker in CM pipe riser on landward slope. Pump on waterward slope. Discharges into concrete box and service pole at landward toe. This pipe was retained under ABO No. 9957 (1975).					
FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_SP_2017_23519_40897.jpg



View of landward slope.

LM Start	6.12	Rating **	M	Issue No.	52
LM End	6.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23479 DS_ID:21360 EP_NO: 4867 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 6.5-inch steel gas pipe through the levee, 4.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Rock revetment on waterward slope. (Permit No. 4867-1966) FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23479_40724.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.12	Rating **	M	Issue No.	52 (cont)	
LM End	6.12	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.186652 °		39.186652 °
				-121.910549 °		-121.910549 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23479 DS_ID:21360 EP_NO: 4867 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 6.5-inch steel gas pipe through the levee, 4.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Rock revetment on waterward slope. (Permit No. 4867-1966) FS Date: 10/21/2013						

LM Start	6.12	Rating **	M	Issue No.	52 (cont)
LM End	6.12	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23479_40723.jpg



Pipeline marker on landward side.

Photo 3 of 3 : UCIP_SP_2017_23479_40722.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.18	Rating **	M	Issue No.	6
LM End	6.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.187481 °	39.187481 °
				-121.910852 °	-121.910852 °
DWR ID	DWR_RD0070_01_s_2012_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0070_29_6_20170315_00001.jpg



View of vehicle erosion along the waterside slope.

LM Start	6.18	Rating **	M	Issue No.	6 (cont)
LM End	6.18	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0070_29_6_20170315_00002.jpg



View of the vehicle erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.58	Rating **	M	Issue No.	53
LM End	6.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.192336 °	39.192336 °
				-121.914637 °	-121.914637 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:46422
DS_ID:21341
EP_NO: 9960
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/28/2015 Pipe appears still appears abandoned. Priority was downgraded from Urgent to Non-Urgent due to the inactivity. Need to contact owner to confirm status and future use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. 10/21/2013 Hole present on pipe on waterward side. This crossing was determined urgent due to hole on pipe-no signs leaks present on waterward or landward slopes. Unable to find if crossing is being used. Need to contact owner to determine crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0069.
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 6.2 feet below the crown. Siphon breaker in CM pipe riser on the landward slope. Service pole on the landward shoulder. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 332+72). This pipe was retained under ABO No. 9960 (1974).
FS Date: 7/28/2015 3:30:00 PM

LM Start	6.58	Rating **	M	Issue No.	53 (cont)
LM End	6.58	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_46422_74619.jpg



Overview of levee crown at crossing. No change from last inspection.

Photo 2 of 3 : UCIP_SP_2017_46422_40914.jpg



View of waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.58	Rating **	M	Issue No.	53 (cont)	
LM End	6.58	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.192336 °	39.192336 °	
				-121.914637 °	-121.914637 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46422 DS_ID:21341 EP_NO: 9960 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/28/2015 Pipe appears still appears abandoned. Priority was downgraded from Urgent to Non-Urgent due to the inactivity. Need to contact owner to confirm status and future use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.10/21/2013 Hole present on pipe on waterward side. This crossing was determined urgent due to hole on pipe-no signs leaks present on waterward or landward slopes. Unable to find if crossing is being used. Need to contact owner to determine crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0069. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 6.2 feet below the crown. Siphon breaker in CM pipe riser on the landward slope. Service pole on the landward shoulder. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 332+72). This pipe was retained under ABO No. 9960 (1974). FS Date: 7/28/2015 3:30:00 PM						

Photo 3 of 3 : UCIP_SP_2017_46422_40913.jpg



View of waterward slope and pipe at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.74	Rating **	M	Issue No.	54
LM End	6.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194042 °	39.194042 °
				-121.916630 °	-121.916630 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49188
DS_ID:21342
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 06/21/2016 This crossing has been modified DWR levee log indicates 12-inch pipe not a 8-inch pipe, unable to determine if pipe goes through levee. This crossing appears to be an irrigation line. Need to find owner to clarify pipe use, determine whether pipe goes through levee, and determine the fate of the original 12-inch pipe through the levee. 10/21/2013 Unable to determine if this is an irrigation pipe or groundwater pipe. This crossing is referenced in the USACE Periodic Inspection as item
USACE_CESPK_MRD1_2012_p_0062--no permit available.
FIELD_STRUCT_DESC: 8-inch (not 12-inch as found in desk study) pipe through the levee. Pump and service pole at landward toe.
FS Date: 10/21/2013

LM Start	6.74	Rating **	M	Issue No.	54 (cont)
LM End	6.74	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_49188_40922.jpg



View of landward side.

Photo 2 of 2 : UCIP_SP_2017_49188_40921.jpg



Pump system and pipe on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.16	Rating **	M	Issue No.	31
LM End	7.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.196157 °	39.196157 °
				-121.922688 °	-121.922688 °
DWR ID	DWR_RD0070_01_f _ 2016_31				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the fallen tree.					

Photo 1 of 1 : SP_2017_RD0070_29_31_20170315_00006.jpg



View of a fallen tree along the waterside toe.

LM Start	7.80	Rating **	M	Issue No.	55
LM End	7.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23529 DS_ID:21345 EP_NO: 9942 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0005. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 16.5 feet below the crown. Slide gate in CM pipe rise on waterward slope. Incline pump on waterward side. Discharges to concrete box at the landward toe. Service pole on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 330+00). This pipe was retained under ABO No. 9942 (1974). FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_SP_2017_23529_40964.jpg



View of waterward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.80	Rating **	M	Issue No.	55 (cont)
LM End	7.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.195148 °	39.195148 °
				-121.933849 °	-121.933849 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23529
DS_ID:21345
EP_NO: 9942
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item
USACE_CESPK_MRD1_2012_p_0005.
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 16.5 feet below the crown. Slide gate in CM pipe rise on waterward slope. Incline pump on waterward side. Discharges to concrete box at the landward toe. Service pole on landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 330+00). This pipe was retained under ABO No. 9942 (1974).
FS Date: 10/21/2013

LM Start	7.80	Rating **	M	Issue No.	55 (cont)
LM End	7.80	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_23529_40963.jpg



CMP riser with screw gate inside. Gate is missing the handle to close gate.

Photo 3 of 3 : UCIP_SP_2017_23529_40962.jpg



delete

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	15.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2017 - 4/6/2017			
DWR Inspector	Bob Duffey			
Accompanied By	Andy Duffey RD 70			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.05	Rating **	M	Issue No.	74
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23952 DS_ID:21382 EP_NO: 12707 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on metal (not timber as noted in desk study) platform on waterward side. 36-inch concrete standpipe (not found during 10/2013 inspection) and service pole at landward toe. Rock revetment on waterward slope. (Permit No. 12707-1979) FS Date: 10/22/2013					

LM Start	0.05	Rating **	M	Issue No.	74 (cont)
LM End	0.05	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23952_42061.jpg



View of waterward side--siphon breaker housing unit, pipe daylight, pump, and plateform.

Photo 2 of 3 : UCIP_SP_2017_23952_42060.jpg



View of pump on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	0.05	Rating **	M	Issue No.	74 (cont)	
LM End	0.05	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.193396 °	39.193396 °	
				-121.935434 °	-121.935434 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23952 DS_ID:21382 EP_NO: 12707 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 3.0 feet below the crown. Steel cutoff wall around pipe at center of levee. Siphon breaker on apex of pipe at waterward shoulder. Pump on metal (not timber as noted in desk study) platform on waterward side. 36-inch concrete standpipe (not found during 10/2013 inspection) and service pole at landward toe. Rock revetment on waterward slope. (Permit No. 12707-1979) FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_23952_42062.jpg



View of levee slope on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.04	Rating **	M	Issue No.	75
LM End	1.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183211 °	39.183211 °
				-121.943237 °	-121.943237 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42923					
DS_ID:21412					
EP_NO: 1575					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris scattered on waterward side. Concrete structure on waterward side shows major cracks on the walls. Will need to notify owner. Need to obtain maintenance records to confirm integrity of pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0075.					
FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 17.0 feet below the crown. Pump in pump house and slide gate (10-inch) on waterward side. Concrete collar at waterward toe. Power pole on waterward slope, anchor on landward slope. Rock revetment on waterward slope. (Permit No. 1575-1959)					
FS Date: 10/23/2013					

LM Start	1.04	Rating **	M	Issue No.	75 (cont)
LM End	1.04	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_42923_42036.jpg



View of waterward side--appurtenances present pump house, concrete distribution box, screw gate, and power pole.

Photo 2 of 3 : UCIP_SP_2017_42923_42041.jpg



Pump station on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.04	Rating **	M	Issue No.	75 (cont)	
LM End	1.04	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.183211 °	39.183211 °	
				-121.943237 °	-121.943237 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42923 DS_ID:21412 EP_NO: 1575 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris scattered on waterward side. Concrete structure on waterward side shows major cracks on the walls. Will need to notify owner. Need to obtain maintenance records to confirm integrity of pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0075. FIELD_STRUCT_DESC: 20-inch steel pipe through the levee, 17.0 feet below the crown. Pump in pump house and slide gate (10-inch) on waterward side. Concrete collar at waterward toe. Power pole on waterward slope, anchor on landward slope. Rock revetment on waterward slope. (Permit No. 1575-1959) FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_42923_42042.jpg



Inside view of concrete distribution box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.35	Rating **	M	Issue No.	76
LM End	1.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.178895 °	39.178895 °
				-121.943340 °	-121.943340 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23885
DS_ID:21365
EP_NO: 9973
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Cut to levee toe found on landward side. Unable to determine if crossing is being used. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0099.
FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 18.8 feet below the crown. Slide gate on gate structure on waterward side. Slant pump on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 399+34). This pipe was retained under ABO No. 9973 (1974).
FS Date: 10/22/2013

LM Start	1.35	Rating **	M	Issue No.	76 (cont)
LM End	1.35	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23885_41814.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_SP_2017_23885_41817.jpg



Overview of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0070 Meridian

Page 6 of 77

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.87	Rating **	M	Issue No.	77
LM End	1.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.172778 °	39.172778 °
				-121.937791 °	-121.937791 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23888					
DS_ID:21366					
EP_NO: 9996					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need inside photo of the concrete distribution box located at the landward toe. Debris found on waterward slope (conduit running parallel to levee). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124.					
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 24.0 feet below the crown. Gate valve in concrete "U" headwall on waterward slope. Switch house and pump on waterward shoulder. Discharge box at landward toe. This pipe was retained under ABO No. 9996 (1974).					
FS Date: 10/22/2013					

LM Start	1.87	Rating **	M	Issue No.	77 (cont)
LM End	1.87	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_23888_41819.jpg



View of levee crown and waterward side.

Photo 2 of 3 : UCIP_SP_2017_23888_41822.jpg



View of slope on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	1.87	Rating **	M	Issue No.	77 (cont)	
LM End	1.87	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.172778 °	39.172778 °	
				-121.937791 °	-121.937791 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23888 DS_ID:21366 EP_NO: 9996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need inside photo of the concrete distribution box located at the landward toe. Debris found on waterward slope (conduit running parallel to levee). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 24.0 feet below the crown. Gate valve in concrete "U" headwall on waterward slope. Switch house and pump on waterward shoulder. Discharge box at landward toe. This pipe was retained under ABO No. 9996 (1974). FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_23888_41821.jpg



View of U-concrete headwall with positive closure device, photo 1 of 2.

LM Start	2.16	Rating **	M	Issue No.	1
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168854 °	39.166503 °
				-121.936223 °	-121.935547 °
DWR ID	DWR_RD0070_02_s_2012_1				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_1_20170315_00001.jpg



Agricultural ditch along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.34	Rating **	U	Issue No.	78
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166298 °	39.166298 °
				-121.935570 °	-121.935570 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50006

DS_ID:21367

EP_NO: 1158

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 7/07/2016 Pipe was running during site visit. Pipe has failed internally on both the WS and LS. The scour hole on LS toe has progress and it is now about 6-feet wide by 6-feet long by 5-feet deep. Hole on WS is not visible but water is leaking underneath pipe. It appears from last inspection that the leak on the WS has also progressed. This section of the levee is known as N. Meridian Road (County Road). According to LMA representative, Andy Duffey, owner plans on submitting application for repair. Company submitting application is Davis Machine Shop contact is Thomas Davis 530-696-2576. Property owner is Steven Tarke. LMA representative contact number is 1-530-696-2569 (office) or 1-530-682-2996 (cell). Permit No. 1158 issued in 1946 lists owner as Wayne Hall. (DWR UCIP - omagana)7/28/2015 Pipe was running during site visit. Scour hole located at landward side (LS) toe is still present. New signs of stress on slope are visible on LS near concrete box. On the waterward side (WS) 2 leaks are present. The first leak is located at the pipe joint near the WS toe, the joint connection is leaking significantly. The second potential leak is near the pipe daylight on WS. Unable to confirm cause of leak but downstream seepage is present along pipe alignment. Seepage indicates that pipe may be leaking and causing internal erosion and void along pipe alignment. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 4.1 feet below the crown. Pump in pumphouse located on the waterside (WS) shoulder on concrete stand. Pipe discharges into concrete box located on the landside (LS) toe. Walkway to pumphouse is located on the WS. (Permit No. 1158, 1946 - W. Hall)

FS Date: 7/7/2016

Photo 1 of 3 : UCIP_SP_2017_50006_74608.jpg



View of county road where pipe crosses.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.34	Rating **	U	Issue No.	78 (cont)
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166298 °	39.166298 °
				-121.935570 °	-121.935570 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50006

DS_ID:21367

EP_NO: 1158

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 7/07/2016 Pipe was running during site visit. Pipe has failed internally on both the WS and LS. The scour hole on LS toe has progress and it is now about 6-feet wide by 6-feet long by 5-feet deep. Hole on WS is not visible but water is leaking underneath pipe. It appears from last inspection that the leak on the WS has also progressed. This section of the levee is known as N. Meridian Road (County Road). According to LMA representative, Andy Duffey, owner plans on submitting application for repair. Company submitting application is Davis Machine Shop contact is Thomas Davis 530-696-2576. Property owner is Steven Tarke. LMA representative contact number is 1-530-696-2569 (office) or 1-530-682-2996 (cell). Permit No. 1158 issued in 1946 lists owner as Wayne Hall. (DWR UCIP - omagana)7/28/2015 Pipe was running during site visit. Scour hole located at landward side (LS) toe is still present. New signs of stress on slope are visible on LS near concrete box. On the waterward side (WS) 2 leaks are present. The first leak is located at the pipe joint near the WS toe, the joint connection is leaking significantly. The second potential leak is near the pipe daylight on WS. Unable to confirm cause of leak but downstream seepage is present along pipe alignment. Seepage indicates that pipe may be leaking and causing internal erosion and void along pipe alignment. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 4.1 feet below the crown. Pump in pumphouse located on the waterside (WS) shoulder on concrete stand. Pipe discharges into concrete box located on the landside (LS) toe. Walkway to pumphouse is located on the WS. (Permit No. 1158, 1946 - W. Hall)

FS Date: 7/7/2016

Photo 2 of 3 : UCIP_SP_2017_50006_74603.jpg



View of LS and county road (N. Meridian Road).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.34	Rating **	U	Issue No.	78 (cont)
LM End	2.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.166298 °	39.166298 °
				-121.935570 °	-121.935570 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50006

DS_ID:21367

EP_NO: 1158

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 7/07/2016 Pipe was running during site visit. Pipe has failed internally on both the WS and LS. The scour hole on LS toe has progress and it is now about 6-feet wide by 6-feet long by 5-feet deep. Hole on WS is not visible but water is leaking underneath pipe. It appears from last inspection that the leak on the WS has also progressed. This section of the levee is known as N. Meridian Road (County Road). According to LMA representative, Andy Duffey, owner plans on submitting application for repair. Company submitting application is Davis Machine Shop contact is Thomas Davis 530-696-2576. Property owner is Steven Tarke. LMA representative contact number is 1-530-696-2569 (office) or 1-530-682-2996 (cell). Permit No. 1158 issued in 1946 lists owner as Wayne Hall. (DWR UCIP - omagana)7/28/2015 Pipe was running during site visit. Scour hole located at landward side (LS) toe is still present. New signs of stress on slope are visible on LS near concrete box. On the waterward side (WS) 2 leaks are present. The first leak is located at the pipe joint near the WS toe, the joint connection is leaking significantly. The second potential leak is near the pipe daylight on WS. Unable to confirm cause of leak but downstream seepage is present along pipe alignment. Seepage indicates that pipe may be leaking and causing internal erosion and void along pipe alignment. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 4.1 feet below the crown. Pump in pumphouse located on the waterside (WS) shoulder on concrete stand. Pipe discharges into concrete box located on the landside (LS) toe. Walkway to pumphouse is located on the WS. (Permit No. 1158, 1946 - W. Hall)

FS Date: 7/7/2016

Photo 3 of 3 : UCIP_SP_2017_50006_75306.jpg



Scour hole has progressed since 2015.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.40	Rating **	M	Issue No.	49
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.165462 °	39.165462 °
				-121.935244 °	-121.935244 °
DWR ID	DWR_RD0070_02_f_2016_49				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.61	Rating **	M	Issue No.	79
LM End	2.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.162424 °	39.162424 °
				-121.934201 °	-121.934201 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23891 DS_ID:21368 EP_NO: 9969 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0158. FIELD_STRUCT_DESC: 20-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 27.0 feet below the crown. CM cutoff wall around pipe at center of levee. Pump and gate valve in pump house on the waterward slope. Discharges into concrete box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 455+39). This pipe was retained under ABO No. 9969 (1974). FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_23891_41835.jpg



View of waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.61	Rating **	M	Issue No.	79 (cont)	
LM End	2.61	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.162424 °	39.162424 °	
				-121.934201 °	-121.934201 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23891 DS_ID:21368 EP_NO: 9969 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0158. FIELD_STRUCT_DESC: 20-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 27.0 feet below the crown. CM cutoff wall around pipe at center of levee. Pump and gate valve in pump house on the waterward slope. Discharges into concrete box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 455+39). This pipe was retained under ABO No. 9969 (1974). FS Date: 10/22/2013						

LM Start	2.61	Rating **	M	Issue No.	79 (cont)
LM End	2.61	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23891_41833.jpg



Pump station located on waterward side.

Photo 3 of 3 : UCIP_SP_2017_23891_41837.jpg



Dense vegetation covers pipe intake on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

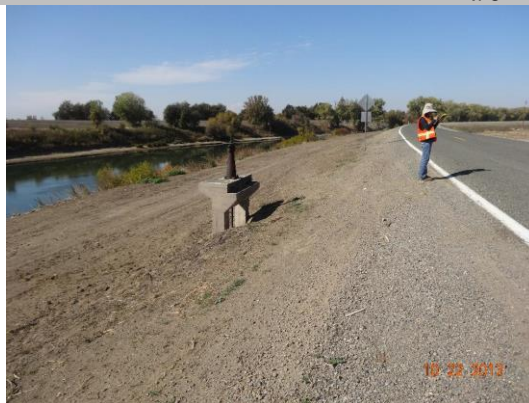
Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.78	Rating **	M	Issue No.	80
LM End	2.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.160540 °	39.160540 °
				-121.932382 °	-121.932382 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23892 DS_ID:21369 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0167. FIELD_STRUCT_DESC: *ABANDONED* 24-inch CM pipe through the levee, 21.0 feet below the crown. Slide gate on waterward end. (Cat. IVA) FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_23892_41839.jpg



View of waterward side.

LM Start	2.78	Rating **	M	Issue No.	80 (cont)
LM End	2.78	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23892_41841.jpg



Buried screw gate located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	2.78	Rating **	M	Issue No.	80 (cont)	
LM End	2.78	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.160540 °	39.160540 °	
				-121.932382 °	-121.932382 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23892 DS_ID:21369 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0167. FIELD_STRUCT_DESC: *ABANDONED* 24-inch CM pipe through the levee, 21.0 feet below the crown. Slide gate on waterward end. (Cat. IVA) FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_23892_41840.jpg



Dense vegetation on the waterward edge.

LM Start	3.35	Rating **	M	Issue No.	81
LM End	3.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156068 °	39.156068 °
				-121.923453 °	-121.923453 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24115 DS_ID:21370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_SP_2017_24115_42495.jpg



View of waterward side--photo is from USACE PI Report draft final issue USACE_CESPK_MRD2_2012_p_0197.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	3.35	Rating **	M	Issue No.	81 (cont)
LM End	3.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.156068 °	39.156068 °
				-121.923453 °	-121.923453 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24115 DS_ID:21370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013					

Photo 2 of 2 : UCIP_SP_2017_24115_42496.jpg



View of landward side--photo is from USACE PI Report draft final issue
USACE_CESPK_MRD2_2012_p_0197.

LM Start	3.40	Rating **	M	Issue No.	82
LM End	3.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.155648 °	39.155648 °
				-121.922823 °	-121.922823 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24117 DS_ID:21371 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_SP_2017_24117_42502.jpg



View of pipe on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	3.40	Rating **	M	Issue No.	82 (cont)	
LM End	3.40	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.155648 °	39.155648 °	
				-121.922823 °	-121.922823 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24117						
DS_ID:21371						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through the levee, 18.5 feet below the crown. Slide gate on concrete gate structure on berm.						
FS Date: 10/22/2013						

Photo 2 of 2 : UCIP_SP_2017_24117_42501.jpg



View of concrete headwall and screw gate on waterward side.

LM Start	3.57	Rating **	M	Issue No.	50
LM End	3.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.154059 °	39.154059 °
				-121.920220 °	-121.920220 °
DWR ID	DWR_RD0070_02_f_2016_50				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : SP_2017_RD0070_30_50_20170315_00006.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.10	Rating **	M	Issue No.	83
LM End	4.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147298 °	39.147298 °
				-121.916724 °	-121.916724 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47028 DS_ID:21428 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station will be removed. This crossing will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 1 of 4: 2.5-inch steel (not iron as mentioned in desk study) pipe through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013). FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_SP_2017_47028_42570.jpg



Conduits through levee along walkway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.10	Rating **	M	Issue No.	84
LM End	4.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147298 °	39.147298 °
				-121.916724 °	-121.916724 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47029
DS_ID:21427
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump station to be removed. This record will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 2 of 4: 2.5-inch steel (not iron as mentioned in desk study) pipe through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).
FS Date: 10/22/2013

Photo 1 of 1 : UCIP_SP_2017_47029_42511.jpg



Conduits through levee along walkway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.11	Rating **	M	Issue No.	85
LM End	4.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47030 DS_ID:21429 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2] 3 of 4: 42-inch steel pipe and 2-inch PVC electrical conduit through the levee, 24.0 and 3.0 feet below the crown, respectively. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps with electrical control box. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. Power poles on landward side. (Permit No. 13380-2002). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013). FS Date: 10/22/2013					

LM Start	4.11	Rating **	M	Issue No.	85 (cont)
LM End	4.11	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47030_42563.jpg



View of walkway and pump station on waterward side.

Photo 2 of 3 : UCIP_SP_2017_47030_42567.jpg



View of conduit pipes through levee.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.11	Rating **	M	Issue No.	85 (cont)	
LM End	4.11	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.147259 °	39.147259 °	
				-121.916725 °	-121.916725 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47030						
DS_ID:21429						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.						
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 2]						
3 of 4: 42-inch steel pipe and 2-inch PVC electrical conduit through the levee, 24.0 and 3.0 feet below the crown, respectively. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps with electrical control box. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. Power poles on landward side. (Permit No. 13380-2002). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).						
FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_47030_42569.jpg



View of pumps located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.11	Rating **	M	Issue No.	86
LM End	4.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147247 °	39.147247 °
				-121.916691 °	-121.916691 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47032
DS_ID:21373
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to confirm 54-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 1]
4 of 4: 54-inch steel pipe through the levee, 24.0 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013).
FS Date: 10/22/2013

LM Start	4.11	Rating **	M	Issue No.	86 (cont)
LM End	4.11	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47032_42076.jpg



View of walkway and pump station on waterward side.

Photo 2 of 3 : UCIP_SP_2017_47032_42080.jpg



View of conduit pipes through levee.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.11	Rating **	M	Issue No.	86 (cont)	
LM End	4.11	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.147247 °	39.147247 °	
				-121.916691 °	-121.916691 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47032 DS_ID:21373 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm 54-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Farms Water Company Pumping Plant No. 1] 4 of 4: 54-inch steel pipe through the levee, 24.0 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in surge box on the waterward side. Concrete pump pit on the waterward slope. Three pumps on structure on the waterward side. Walkway to the pumps. Concrete headwall on landward side. Discharges into concrete lined irrigation ditch on the landward side. Debris deflectors in river. (Permit No. 4525-1965). Pumping plant is to be demolished with all pipes removed and replaced with single 72-inch gravity feed pipe under Permit No. 18762 (2013). FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_47032_42082.jpg



View of pumps located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.12	Rating **	M	Issue No.	87
LM End	4.12	Issue Type +	En	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.147072 °	39.147072 °	
			-121.916783 °	-121.916783 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:24165
DS_ID:21374
EP_NO: 767
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0237.
FIELD_STRUCT_DESC: 3.0-inch steel gas pipe (not 3.5-inch as mentioned in desk study) through the levee, 3.0 feet below the crown. Concrete inspection well (8x10x1 foot) with metal cover on waterward shoulder. Painted aluminum marker on waterward side. Rock revetment on waterward slope. (Permit No. 767-1938) Contact information provided on marker 916-742-7344 and for emergencies call 916-742-3251.
FS Date: 10/22/2013

LM Start	4.12	Rating **	M	Issue No.	87 (cont)
LM End	4.12	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24165_42573.jpg



View of levee crown.

Photo 2 of 3 : UCIP_SP_2017_24165_42575.jpg



Concrete headwall on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.12	Rating **	M	Issue No.	87 (cont)
LM End	4.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.147072 °	39.147072 °
				-121.916783 °	-121.916783 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24165 DS_ID:21374 EP_NO: 767 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0237. FIELD_STRUCT_DESC: 3.0-inch steel gas pipe (not 3.5-inch as mentioned in desk study) through the levee, 3.0 feet below the crown. Concrete inspection well (8x10x1 foot) with metal cover on waterward shoulder. Painted aluminum marker on waterward side. Rock revetment on waterward slope. (Permit No. 767-1938) Contact information provided on marker 916-742-7344 and for emergencies call 916-742-3251. FS Date: 10/22/2013					

Photo 3 of 3 : UCIP_SP_2017_24165_42576.jpg



Gas line sign located on waterward side--sign in bad shape.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.17	Rating **	M	Issue No.	88
LM End	4.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146374 °	39.146374 °
				-121.916980 °	-121.916980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23959 DS_ID:21375 EP_NO: 1123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 1 of 3: 10-inch pipe through the levee, 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. (Permit No. 1123-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25). FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_SP_2017_23959_42096.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.17	Rating **	M	Issue No.	89
LM End	4.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146331 °	39.146331 °
				-121.916985 °	-121.916985 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23960 DS_ID:21424 EP_NO: 1123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 2 of 3: 4-inch pipe through the levee, 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. (Permit No. 1123-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25). FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_SP_2017_23960_42097.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.17	Rating **	M	Issue No.	90
LM End	4.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.146298 °	39.146298 °
				-121.916993 °	-121.916993 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23961 DS_ID:21425 EP_NO: 1123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 3 of 3: 8-inch pipe through the levee, approximately 2.0 feet below the crown. Seed washing plant with concrete catch basin and pan on the landward slope. Concrete sump on waterward slope. Intake pump on waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 496+25). FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_SP_2017_23961_42098.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

LM Start	4.31	Rating **	M	Issue No.	51
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.144305 °	39.144305 °
				-121.917400 °	-121.917400 °
DWR ID	DWR_RD0070_02_f_2016_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.38	Rating **	M	Issue No.	52
LM End	4.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.143424 °	39.143424 °
				-121.917704 °	-121.917704 °
DWR ID	DWR_RD0070_02_f_2016_52				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

No Photos

LM Start	4.55	Rating **	M	Issue No.	91
LM End	4.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23962 DS_ID:21379 EP_NO: 9998 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0264. FIELD_STRUCT_DESC: 30-inch (not 24-inch as indicated in desk study) CM pipe through the levee, 15.5 feet below the crown. Slide gate in concrete distribution box at landward toe. Pump in pumphouse at landward side. Service pole and ramp on waterward slope. Concrete box with air vents at waterward end. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 516+06). This pipe was retained under ABO No. 9998 (1974). 18-inch PVC pipe sleeved through the 24-inch pipe under Permit No. 16228 (1994). Annular gap grouted. FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_23962_42099.jpg



View of pump house located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.55	Rating **	M	Issue No.	91 (cont)
LM End	4.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23962
DS_ID:21379
EP_NO: 9998
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0264.
FIELD_STRUCT_DESC: 30-inch (not 24-inch as indicated in desk study) CM pipe through the levee, 15.5 feet below the crown. Slide gate in concrete distribution box at landward toe. Pump in pumphouse at landward side. Service pole and ramp on waterward slope. Concrete box with air vents at waterward end. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 516+06). This pipe was retained under ABO No. 9998 (1974). 18-inch PVC pipe sleeved through the 24-inch pipe under Permit No. 16228 (1994). Annular gap grouted.
FS Date: 10/22/2013

LM Start	4.55	Rating **	M	Issue No.	91 (cont)
LM End	4.55	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23962_42104.jpg



Positive closure device located at the waterward side inside concrete distribution box.

Photo 3 of 3 : UCIP_SP_2017_23962_42101.jpg



Photo of the concrete distribution box located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.59	Rating **	M	Issue No.	53
LM End	4.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.140975 °	39.140975 °
				-121.919907 °	-121.919907 °
DWR ID	DWR_RD0070_02_f_2016_53				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

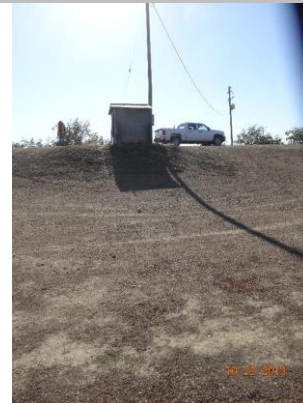
Photo 1 of 1 : SP_2017_RD0070_30_53_20170315_00007.jpg



View of the prunings along the landside toe.

LM Start	4.76	Rating **	M	Issue No.	92
LM End	4.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24166 DS_ID:21380 EP_NO: 9970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 4.8 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on landward slope--not found. Pump in pump house on waterward shoulder. Shut-off valve on landward side. Concrete discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 526+71). This pipe was retained under ABO No. 9970 (1974). FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_SP_2017_24166_42581.jpg



Enter photo 7 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.76	Rating **	M	Issue No.	92 (cont)
LM End	4.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24166 DS_ID:21380 EP_NO: 9970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 4.8 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on landward slope--not found. Pump in pump house on waterward shoulder. Shut-off valve on landward side. Concrete discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 526+71). This pipe was retained under ABO No. 9970 (1974). FS Date: 10/22/2013					

LM Start	4.76	Rating **	M	Issue No.	92 (cont)
LM End	4.76	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_24166_42580.jpg



View of levee crown and pump house photo taken from landward side.

Photo 3 of 3 : UCIP_SP_2017_24166_42583.jpg



View of the inside of pump house--no pump.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	4.95	Rating **	M	Issue No.	54
LM End	4.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.142016 °	39.142016 °
				-121.926214 °	-121.926214 °
DWR ID	DWR_RD0070_02_f_2016_54				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_54_20170315_00008.jpg



View of the trees blocking visibility.

LM Start	4.95	Rating **	U	Issue No.	9
LM End	4.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.142008 °	39.142032 °
				-121.926267 °	-121.926855 °
DWR ID	DWR_RD0070_02_s_2012_9				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_9_20170315_00004.jpg



View of a building within the easement of the levee.

LM Start	5.07	Rating **	M	Issue No.	55
LM End	5.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.141926 °	39.141926 °
				-121.928523 °	-121.928523 °
DWR ID	DWR_RD0070_02_f_2016_55				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	5.30	Rating **	M	Issue No.	93
LM End	5.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.142049 °	39.142049 °
				-121.932651 °	-121.932651 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23964
DS_ID:21383
EP_NO: 9984
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Additional crossing visible through concrete headwall on landward side--crossing has been capped (see photo). NEED TO CONFIRM PIPE SIZE!!! This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0289. FIELD_STRUCT_DESC: 12-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 13.8 feet below the crown. Gate valve on the waterward side. Pump in pump house on the waterward side. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 555+09). This pipe was retained under ABO No. 9984 (1974).
FS Date: 10/22/2013

LM Start	5.30	Rating **	M	Issue No.	93 (cont)
LM End	5.30	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23964_42114.jpg



Pump house located on waterward side.

Photo 2 of 3 : UCIP_SP_2017_23964_42116.jpg



No pipe exists the pump house on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	5.30	Rating **	M	Issue No.	93 (cont)	
LM End	5.30	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.142049 °	39.142049 °	
				-121.932651 °	-121.932651 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23964 DS_ID:21383 EP_NO: 9984 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Additional crossing visible through concrete headwall on landward side--crossing has been capped (see photo). NEED TO CONFIRM PIPE SIZE!!!! This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0289. FIELD_STRUCT_DESC: 12-inch (not 24-inch as mentioned in desk study) steel pipe through the levee, 13.8 feet below the crown. Gate valve on the waterward side. Pump in pump house on the waterward side. Concrete distribution box at the landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 555+09). This pipe was retained under ABO No. 9984 (1974). FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_SP_2017_23964_42113.jpg



Crossing appears altered on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.28	Rating **	M	Issue No.	94
LM End	6.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133847 °	39.133847 °
				-121.937689 °	-121.937689 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23965 DS_ID:21385 EP_NO: 4383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0319. FIELD_STRUCT_DESC: 8 5/8-inch steel gas pipe through the levee, 3.5 feet below the crown. Concrete cutoff wall around pipe at center of levee. Rock revetment on waterward slope. (Permit No. 4383-1963) FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2017_23965_42123.jpg



Markers visible on both levee shoulders.

LM Start	6.28	Rating **	M	Issue No.	94 (cont)
LM End	6.28	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23965_42121.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.28	Rating **	M	Issue No.	94 (cont)	
LM End	6.28	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.133847 °	39.133847 °	
				-121.937689 °	-121.937689 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23965 DS_ID:21385 EP_NO: 4383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0319. FIELD_STRUCT_DESC: 8 5/8-inch steel gas pipe through the levee, 3.5 feet below the crown. Concrete cutoff wall around pipe at center of levee. Rock revetment on waterward slope. (Permit No. 4383-1963) FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_23965_42122.jpg



Sign visible on waterward side.

LM Start	6.32	Rating **	M	Issue No.	56
LM End	7.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.133450 °	39.129024 °
				-121.937361 °	-121.924632 °
DWR ID	DWR_RD0070_02_f_2016_56				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_56_20170315_00009.jpg



View of a ditch at the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.33	Rating **	M	Issue No.	95
LM End	6.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:46424
DS_ID:21386
EP_NO: 9994
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/28/2015 System was running during site visit. Damage to landward side has been repaired. No records available to determine cause of erosion--monitor. No other issues observed during site visit. 10/23/2013 Erosion visible on landward side behind concrete headwall. Plastic sheeting has been placed to protect slope. Need to determine cause for erosion, is pipe leaking? Pipe wall on landward side has deteriorated significantly that the wall is gone. Owner will need to coordinate with DWR inspector and CVFPB to address issue. Recommend notifying owner to stop using crossing until issue has been addressed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0324.
FIELD_STRUCT_DESC: 20-inch steel pipe on waterward side and 24-inch steel pipe on landward side through the levee, 12.5 feet below the crown. Pipe is concrete encased under the crown, between the shoulders. Slide gate in metal well on waterward slope. Pump on pile structure in stream. Concrete discharge box at landward toe. Service pole on waterward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 610+84). This pipe was retained under ABO No. 9994 (1974). This pipe was originally permitted in May 1, 1947 under Permit No. 1202.
FS Date: 7/28/2015 3:46:00 PM

LM Start	6.33	Rating **	M	Issue No.	95 (cont)
LM End	6.33	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_46424_42043.jpg



View of levee slope and berm on waterward side.

Photo 2 of 3 : UCIP_SP_2017_46424_42049.jpg



Pipe and pump set up on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	6.33	Rating **	M	Issue No.	95 (cont)
LM End	6.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46424 DS_ID:21386 EP_NO: 9994 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/28/2015 System was running during site visit. Damage to landward side has been repaired. No records available to determine cause of erosion--monitor. No other issues observed during site visit. 10/23/2013 Erosion visible on landward side behind concrete headwall. Plastic sheeting has been placed to protect slope. Need to determine cause for erosion, is pipe leaking? Pipe wall on landward side has deteriorated significantly that the wall is gone. Owner will need to coordinate with DWR inspector and CVFPB to address issue. Recommend notifying owner to stop using crossing until issue has been addressed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0324. FIELD_STRUCT_DESC: 20-inch steel pipe on waterward side and 24-inch steel pipe on landward side through the levee, 12.5 feet below the crown. Pipe is concrete encased under the crown, between the shoulders. Slide gate in metal well on waterward slope. Pump on pile structure in stream. Concrete discharge box at landward toe. Service pole on waterward slope. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 610+84). This pipe was retained under ABO No. 9994 (1974). This pipe was originally permitted in May 1, 1947 under Permit No. 1202. FS Date: 7/28/2015 3:46:00 PM					

Photo 3 of 3 : UCIP_SP_2017_46424_42047.jpg



Stairs and platform located on waterward side.

LM Start	6.99	Rating **	M	Issue No.	67
LM End	6.99	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.129557 °	39.129557 °
				-121.926343 °	-121.926343 °
DWR ID	DWR_RD0070_02_s_2017_67				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree from the waterside toe.					

Photo 1 of 1 : SP_2017_RD0070_30_67_20170410_00119.jpg



View of the tree along the waterside. Toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.18	Rating **	M	Issue No.	57
LM End	7.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.128114 °	39.128114 °
				-121.923429 °	-121.923429 °
DWR ID	DWR_RD0070_02_f_2016_57				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_57_20170315_00010.jpg



View of a ditch along the landside toe.

LM Start	7.64	Rating **	U	Issue No.	58
LM End	7.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.124493 °	39.124493 °
				-121.917090 °	-121.917090 °
DWR ID	DWR_RD0070_02_f_2016_58				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : SP_2017_RD0070_30_58_20170315_00011.jpg



View of the prunings along the landside toe.

LM Start	7.74	Rating **	N	Issue No.	59
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.124503 °	39.124503 °
				-121.915252 °	-121.915252 °
DWR ID	DWR_RD0070_02_f_2016_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.82	Rating **	M	Issue No.	96
LM End	7.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23966 DS_ID:21387 EP_NO: 9966 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch electrical conduit thorough the levee, 12.0 and 8.0 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Two concrete cutoff walls under each shoulder. Pump and gate valve on pile structure in stream. Walkway to pump. Concrete standpipe on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 689+50). Pipe and conduit were retained under ABO No. 11496 (1975). FS Date: 10/23/2013					

LM Start	7.82	Rating **	M	Issue No.	96 (cont)
LM End	7.82	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23966_42128.jpg



Pump house located on waterward side.

Photo 2 of 3 : UCIP_SP_2017_23966_42126.jpg



Concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.82	Rating **	M	Issue No.	96 (cont)
LM End	7.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23966 DS_ID:21387 EP_NO: 9966 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch steel pipe and 1.5-inch electrical conduit thorough the levee, 12.0 and 8.0 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Two concrete cutoff walls under each shoulder. Pump and gate valve on pile structure in stream. Walkway to pump. Concrete standpipe on the landward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 689+50). Pipe and conduit were retained under ABO No. 11496 (1975). FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_SP_2017_23966_42127.jpg



Stand pipe located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.92	Rating **	M	Issue No.	97
LM End	7.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124543 °	39.124543 °
				-121.911996 °	-121.911996 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24191 DS_ID:21389 EP_NO: 1264 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: Abandoned 10-inch (not 14-inch as specified in desk study) pipe through the levee, 5.0 feet below the crown. Pump on the waterward side. Double concrete discharge box at landward toe. (Permit No. 1264-1948) FS Date: 10/23/2013					

LM Start	7.92	Rating **	M	Issue No.	97 (cont)
LM End	7.92	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24191_42677.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_SP_2017_24191_42678.jpg



View of waterward side--only pump house of nearby crossing located downstream from crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.92	Rating **	M	Issue No.	97 (cont)	
LM End	7.92	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.124543 °	39.124543 °	
				-121.911996 °	-121.911996 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24191 DS_ID:21389 EP_NO: 1264 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: Abandoned 10-inch (not 14-inch as specified in desk study) pipe through the levee, 5.0 feet below the crown. Pump on the waterward side. Double concrete discharge box at landward toe. (Permit No. 1264-1948) FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_24191_42676.jpg



View of landward side--two crossing nearby.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.92	Rating **	M	Issue No.	98
LM End	7.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.124460 °	39.124460 °
				-121.911932 °	-121.911932 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24190
DS_ID:21388
EP_NO: 10008
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Concrete distribution box is damage on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0380.
FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel pipe through the levee, 15.0 feet below the crown. Pump in pump house and slide gate on the waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 694+85). Concrete distribution box on landward side. This pipe was retained under ABO No. 10008 (1974). During field verification additional appurtenances were observed. An additional pipe on landward side drains into concrete distribution box. The concrete box connects to a second set of distribution boxes through a 24-inch concrete pipe approximately 36 feet upstream of crossing. Those boxes have a 10-inch pipe that appears to go through levee.
FS Date: 10/23/2013

LM Start	7.92	Rating **	M	Issue No.	98 (cont)
LM End	7.92	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24190_42667.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_SP_2017_24190_42668.jpg



Pump house located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	7.92	Rating **	M	Issue No.	98 (cont)							
LM End	7.92	Issue Type +	En	Location *	LS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		39.124460 °	39.124460 °								
			-121.911932 °	-121.911932 °								
DWR ID												
Comment Code												
Inspector Comment												
FS_ID:24190 DS_ID:21388 EP_NO: 10008 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete distribution box is damage on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0380. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel pipe through the levee, 15.0 feet below the crown. Pump in pump house and slide gate on the waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 694+85). Concrete distribution box on landward side. This pipe was retained under ABO No. 10008 (1974). During field verification additional appurtenances were observed. An additional pipe on landward side drains into concrete distribution box. The concrete box connects to a second set of distribution boxes through a 24-inch concrete pipe approximately 36 feet upstream of crossing. Those boxes have a 10-inch pipe that appears to go through levee. FS Date: 10/23/2013												

Photo 3 of 3 : UCIP_SP_2017_24190_42669.jpg



Damage concrete distribution box located on waterward side.

LM Start	8.10	Rating **	M	Issue No.	2							
LM End	8.23	Issue Type +	Ma	Location *	WS							
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2015 USACE Erosion Survey, DRAFT		39.122459 °	39.120684 °								
			-121.910121 °	-121.909152 °								
DWR ID	DWR_RD0070_02_s_2016_2											
Comment Code												
Inspector Comment												
1997 - Critical Site - Erosion of cobble site on outside of a bend. Failure caused by erosion of a material from behind the cobbles and cobbles rolling down the slope. Failure is just above the toe levee. Some repairs had been done at the upstream end. 2004 - Some minor new erosion at the top of the berm. 2005 - Trees look okay and the downstream end has some new rock repair. Site is no longer critical. 2006 - No longer critical, some repairs. 2015: No observed changes. [2015 Site ID: SAC_130-0_L]												

Photo 1 of 1 : SP_2017_RD0070_30_2_20170315_00002.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	8.10	Rating **	M	Issue No.	60
LM End	8.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.122568 °	39.122568 °
				-121.909723 °	-121.909723 °
DWR ID	DWR_RD0070_02_f_2016_60				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	8.12	Rating **	M	Issue No.	99
LM End	8.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.122347 °	39.122347 °
				-121.909592 °	-121.909592 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50007
DS_ID:21390
EP_NO: 10371
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/07/2016 Crossing was downgraded from Urgent to Non-Urgent -- siphon breaker leak was repaired back in September 2015. Still need to coordinate with owner for additional details regarding pipe (install date, owner confirmation, and crossing size change from 15-inch to 12-inch). Also dense vegetation visible along pipe on both WS and LS slopes. (DWR UCIP - omagana)9/15/2015 Leak was caused by leaky siphon breaker. Siphon breaker was repaired and a protective encasing around the siphon breaker was installed. Levee was repaired. Need to contact owner to determine additional information regarding the pipe. (DWR UCIP - omagana)7/28/2015 Hole present on waterward slope has gotten worse since last inspection. The hole is located less than 2 feet from S Meridian Road (county road). Dense vegetation on waterward slope limits visual inspection to determine extent of levee damage or cause. According to LMA representative the damage on the slope was caused by leaky siphon breaker. LMA representative has notified owner to stop use of pipe. Based on the extent of the damage visible from prior inspection and the age of the pipe, this pipe would be a good candidate for video or pressure test to confirm the integrity of pipe through levee (county road). Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)10/23/2013 Pipe leaking on waterward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. Also recommend having owner clear out some of the vegetation along the pipe alignment (below pump station) to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0391. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch steel pipe and electrical conduit through the levee, 3.0 and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Siphon breaker in protective housing located on the waterside (WS) shoulder. Discharge structure is located on the landside (LS) toe. Slant pump located on the WS. Power pole located on LS. (unknown permit authorizing current 12-inch pipe, pipe replaced under Permit 10371A, 1982 - R. Moresco, 12-inch authorized under Permit No. 10371, 1975 - F. Yates). [Additional Reference(s): DWR Levee Log, 1980 and 2007].
FS Date: 7/7/2016 10:38:00 AM

Photo 1 of 3 : UCIP_SP_2017_50007_42684.jpg



Vegetation on WS where leak found.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	8.12	Rating **	M	Issue No.	99 (cont)
LM End	8.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.122347 °	39.122347 °
				-121.909592 °	-121.909592 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50007
DS_ID:21390
EP_NO: 10371
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/07/2016 Crossing was downgraded from Urgent to Non-Urgent -- siphon breaker leak was repaired back in September 2015. Still need to coordinate with owner for additional details regarding pipe (install date, owner confirmation, and crossing size change from 15-inch to 12-inch). Also dense vegetation visible along pipe on both WS and LS slopes. (DWR UCIP - omagana)9/15/2015 Leak was caused by leaky siphon breaker. Siphon breaker was repaired and a protective encasing around the siphon breaker was installed. Levee was repaired. Need to contact owner to determine additional information regarding the pipe. (DWR UCIP - omagana)7/28/2015 Hole present on waterward slope has gotten worse since last inspection. The hole is located less than 2 feet from S Meridian Road (county road). Dense vegetation on waterward slope limits visual inspection to determine extent of levee damage or cause. According to LMA representative the damage on the slope was caused by leaky siphon breaker. LMA representative has notified owner to stop use of pipe. Based on the extent of the damage visible from prior inspection and the age of the pipe, this pipe would be a good candidate for video or pressure test to confirm the integrity of pipe through levee (county road). Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)10/23/2013 Pipe leaking on waterward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. Also recommend having owner clear out some of the vegetation along the pipe alignment (below pump station) to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0391. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch steel pipe and electrical conduit through the levee, 3.0 and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Siphon breaker in protective housing located on the waterside (WS) shoulder. Discharge structure is located on the landside (LS) toe. Slant pump located on the WS. Power pole located on LS. (unknown permit authorizing current 12-inch pipe, pipe replaced under Permit 10371A, 1982 - R. Moresco, 12-inch authorized under Permit No. 10371, 1975 - F. Yates). [Additional Reference(s): DWR Levee Log, 1980 and 2007].
FS Date: 7/7/2016 10:38:00 AM

Photo 2 of 3 : UCIP_SP_2017_50007_42680.jpg



Damage to WS shoulder due to leaky pipe or siphon breaker.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	8.12	Rating **	M	Issue No.	99 (cont)
LM End	8.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.122347 °	39.122347 °
				-121.909592 °	-121.909592 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50007
DS_ID:21390
EP_NO: 10371
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/07/2016 Crossing was downgraded from Urgent to Non-Urgent -- siphon breaker leak was repaired back in September 2015. Still need to coordinate with owner for additional details regarding pipe (install date, owner confirmation, and crossing size change from 15-inch to 12-inch). Also dense vegetation visible along pipe on both WS and LS slopes. (DWR UCIP - omagana)9/15/2015 Leak was caused by leaky siphon breaker. Siphon breaker was repaired and a protective encasing around the siphon breaker was installed. Levee was repaired. Need to contact owner to determine additional information regarding the pipe. (DWR UCIP - omagana)7/28/2015 Hole present on waterward slope has gotten worse since last inspection. The hole is located less than 2 feet from S Meridian Road (county road). Dense vegetation on waterward slope limits visual inspection to determine extent of levee damage or cause. According to LMA representative the damage on the slope was caused by leaky siphon breaker. LMA representative has notified owner to stop use of pipe. Based on the extent of the damage visible from prior inspection and the age of the pipe, this pipe would be a good candidate for video or pressure test to confirm the integrity of pipe through levee (county road). Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)10/23/2013 Pipe leaking on waterward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. Also recommend having owner clear out some of the vegetation along the pipe alignment (below pump station) to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0391. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch steel pipe and electrical conduit through the levee, 3.0 and 2.0 feet below the crown, respectively. Steel cutoff wall around pipe and conduit at center of levee. Siphon breaker in protective housing located on the waterside (WS) shoulder. Discharge structure is located on the landside (LS) toe. Slant pump located on the WS. Power pole located on LS. (unknown permit authorizing current 12-inch pipe, pipe replaced under Permit 10371A, 1982 - R. Moresco, 12-inch authorized under Permit No. 10371, 1975 - F. Yates). [Additional Reference(s): DWR Levee Log, 1980 and 2007].
FS Date: 7/7/2016 10:38:00 AM

Photo 3 of 3 : UCIP_SP_2017_50007_74614.jpg



Slope damage within 2 feet of County Road.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	9.00	Rating **	M	Issue No.	100
LM End	9.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110878 °	39.110878 °
				-121.902775 °	-121.902775 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24108
DS_ID:21423
EP_NO: 9971
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made to crossing (size). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433.
FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant No. 3] 2 of 3: 16-inch pipe (not a 30-inch pipe as mentioned in desk study) through the levee, 20.5 feet below the crown. Gate valve on the waterward end. Pump on pile structure in stream. Wooden walkway to pump. Concrete distribution box on landward side. This pipe was retained under ABO No. 9971 (1974). Pumping plant is to be demolished under Permit No. 18762 (2013).
FS Date: 10/23/2013

LM Start	9.00	Rating **	M	Issue No.	100 (cont)
LM End	9.00	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24108_42463.jpg



View of landward side--pump station and walkway

Photo 2 of 3 : UCIP_SP_2017_24108_42465.jpg



View of 16-inch pipe and 24-inch pipe with screw gate located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	9.00	Rating **	M	Issue No.	100 (cont)	
LM End	9.00	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.110878 °		39.110878 °
				-121.902775 °		-121.902775 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24108 DS_ID:21423 EP_NO: 9971 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made to crossing (size). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant No. 3] 2 of 3: 16-inch pipe (not a 30-inch pipe as mentioned in desk study) through the levee, 20.5 feet below the crown. Gate valve on the waterward end. Pump on pile structure in stream. Wooden walkway to pump. Concrete distribution box on landward side. This pipe was retained under ABO No. 9971 (1974). Pumping plant is to be demolished under Permit No. 18762 (2013). FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_24108_42464.jpg



View of 16-inch pipe and 24-inch pipe located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	9.01	Rating **	M	Issue No.	101
LM End	9.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24107 DS_ID:21394 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pump station is to be demolished. This crossing will need to be updated once the work has been completed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant No. 3] 3 of 3: 24-inch pipe through the levee, 20.5 feet below the crown. Gate valve on the waterward end. Pump on pile structure in stream. Wooden walkway to pump. Concrete distribution box on landward side. Pumping plant is to be demolished under Permit No. 18762 (2013). FS Date: 10/23/2013					

LM Start	9.01	Rating **	M	Issue No.	101 (cont)
LM End	9.01	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24107_42457.jpg



View of waterward side--pump station and walkway.

Photo 2 of 3 : UCIP_SP_2017_24107_42458.jpg



View of 16-inch pipe and 24-inch pipe through levee on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	9.01	Rating **	M	Issue No.	101 (cont)	
LM End	9.01	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.110869 °	39.110869 °	
				-121.902771 °	-121.902771 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24107						
DS_ID:21394						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: This pump station is to be demolished. This crossing						
will need to be updated once the work has been completed. This						
crossing is referenced in the USACE Periodic Inspection as item						
USACE_CESPK_MRD2_2012_p_0433.						
FIELD_STRUCT_DESC: [Meridian Farms Water Com. Pumping Plant						
No. 3] 3 of 3: 24-inch pipe through the levee, 20.5 feet below the crown.						
Gate valve on the waterward end. Pump on pile structure in stream.						
Wooden walkway to pump. Concrete distribution box on landward side.						
Pumping plant is to be demolished under Permit No. 18762 (2013).						
FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_24107_42461.jpg



View of pipes located on waterward side.

LM Start	9.25	Rating **	M	Issue No.	68
LM End	9.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.107647 °	39.107647 °
				-121.901030 °	-121.901030 °
DWR ID	DWR_RD0070_02_s_2017_68				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree from the waterside slope and toe.					

Photo 1 of 1 : SP_2017_RD0070_30_68_20170410_00120.jpg



View of the tree along the waterside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	9.28	Rating **	M	Issue No.	61
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.107285 °	39.107285 °
				-121.900753 °	-121.900753 °
DWR ID	DWR_RD0070_02_f _ 2016_61				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_61_20170315_00012.jpg



View of the rodent holes along the landside slope.

LM Start	9.57	Rating **	U	Issue No.	62
LM End	9.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.103192 °	39.101213 °
				-121.899606 °	-121.899380 °
DWR ID	DWR_RD0070_02_f_2016_62				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_62_20170315_00013.jpg



View of a ditch along the landside toe.

LM Start	9.64	Rating **	M	Issue No.	69
LM End	9.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.102103 °	39.102103 °
				-121.899462 °	-121.899462 °
DWR ID	DWR_RD0070_02_s_2017_69				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	9.69	Rating **	N	Issue No.	63
LM End	9.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.101343 °	39.101343 °
				-121.899381 °	-121.899381 °
DWR ID	DWR_RD0070_02_f_2016_63				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	10.00	Rating **	M	Issue No.	4
LM End	10.00	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.097713 °	39.097713 °
				-121.896492 °	-121.896492 °
DWR ID	DWR_RD0070_02_s_2016_4				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

No Photos

LM Start	10.01	Rating **	M	Issue No.	5
LM End	10.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.097662 °	39.093662 °
				-121.896349 °	-121.892535 °
DWR ID	DWR_RD0070_02_s_2012_5				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	10.15	Rating **	M	Issue No.	102
LM End	10.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.096935 °	39.096935 °
				-121.893870 °	-121.893870 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:23967
 DS_ID:21396
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: No evidence of pipe is visible on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0477.
 FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the levee, 3.1 feet below the crown. Siphon breaker in CM pipe riser on landward shoulder. Concrete plug at landward end. Wood distribution box on landward side at discharge end. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 813+00). (Cat. IV-A)
 FS Date: 10/23/2013

LM Start	10.15	Rating **	M	Issue No.	102 (cont)
LM End	10.15	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_23967_42129.jpg



View of waterward side.

Photo 2 of 3 : UCIP_SP_2017_23967_42132.jpg



No pipe exists levee on waterward side only CMP riser present on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	10.15	Rating **	M	Issue No.	102 (cont)
LM End	10.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.096935 °	39.096935 °
				-121.893870 °	-121.893870 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23967					
DS_ID:21396					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: No evidence of pipe is visible on waterward side.					
Need to coordinate with owner to determine status of crossing. If					
crossing is no longer in use owner will need to contact the CVFPB to					
comply with Title 23. This crossing is referenced in the USACE Periodic					
Inspection as item USACE_CESPK_MRD2_2012_p_0477.					
FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the					
levee, 3.1 feet below the crown. Siphon breaker in CM pipe riser on					
landward shoulder. Concrete plug at landward end. Wood distribution					
box on landward side at discharge end. (USACE-1953). This entry					
matches the Drainage or Irrigation Structure referenced in O&M manual					
(Station 813+00). (Cat. IV-A)					
FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_SP_2017_23967_42131.jpg



CMP riser located on landward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	10.40	Rating **	M	Issue No.	103
LM End	10.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093712 °	39.093712 °
				-121.892553 °	-121.892553 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24195
DS_ID:21398
EP_NO: 1162
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482.
FIELD_STRUCT_DESC: 1 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00).
FS Date: 10/23/2013

LM Start	10.40	Rating **	M	Issue No.	103 (cont)
LM End	10.40	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24195_42686.jpg



View of waterward side pathway behind power pole leads to pump station.

Photo 2 of 3 : UCIP_SP_2017_24195_42685.jpg



Pump station located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	10.40	Rating **	M	Issue No.	103 (cont)
LM End	10.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093712 °	39.093712 °
				-121.892553 °	-121.892553 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24195
DS_ID:21398
EP_NO: 1162
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482.
FIELD_STRUCT_DESC: 1 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00).
FS Date: 10/23/2013

Photo 3 of 3 : UCIP_SP_2017_24195_42688.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	10.40	Rating **	M	Issue No.	104
LM End	10.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093699 °	39.093699 °
				-121.892553 °	-121.892553 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24196
DS_ID:21430
EP_NO: 1162
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482.
FIELD_STRUCT_DESC: 2 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00).
FS Date: 10/23/2013

LM Start	10.40	Rating **	M	Issue No.	104 (cont)
LM End	10.40	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_24196_42693.jpg



View of waterward side path to pump station is behind the power pole.

Photo 2 of 3 : UCIP_SP_2017_24196_42692.jpg



Pump station on waterward side dense vegetation on slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	10.40	Rating **	M	Issue No.	104 (cont)
LM End	10.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.093699 °	39.093699 °
				-121.892553 °	-121.892553 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24196 DS_ID:21430 EP_NO: 1162 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 2 of 2: 20-inch (not 18-inch as listed in desk study) steel pipe through the levee, 3.7 feet below the crown. Two concrete cutoff walls around pipe, at levee shoulders. Siphon breakers in steel pipe risers on landward shoulder. Slant pumps on wooden pump structure on waterward side. Two CM pipe risers under pump structure at waterward toe. Distribution box at landward toe. (Permit No. 1162-1946) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 824+00). FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_SP_2017_24196_42695.jpg



View of landward side--metal risers and concrete distribution box.

LM Start	10.64	Rating **	M	Issue No.	6
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.090300 °	39.090300 °
				-121.893102 °	-121.893102 °
DWR ID	DWR_RD0070_02_s_2012_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_6_20170315_00003.jpg



View of vehicle erosion along landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	11.26	Rating **	M	Issue No.	70
LM End	11.26	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.083648 °	39.083648 °
				-121.888233 °	-121.888233 °
DWR ID	DWR_RD0070_02_s_2017_70				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree from the waterside slope and toe.					

Photo 1 of 1 : SP_2017_RD0070_30_70_20170410_00123.jpg



View of the tree along the waterside slope and toe.

LM Start	11.40	Rating **	M	Issue No.	71
LM End	11.40	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.081875 °	39.081875 °
				-121.887442 °	-121.887442 °
DWR ID	DWR_RD0070_02_s_2017_71				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	11.61	Rating **	M	Issue No.	105
LM End	11.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.080517 °	39.080517 °
				-121.890574 °	-121.890574 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:24197
DS_ID:21400
EP_NO: 9986
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0527.
FIELD_STRUCT_DESC: 30-inch steel pipe through the levee, 27.5 feet below the crown. Two electric gate valves in concrete pit on waterward end at end of discharge pipe. Two slant pumps on waterward slope. Control switches in CM shed at waterward shoulder. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 889+72). This pipe was retained under ABO No. 9986 (1974). One pump and one gate valve installed under Permit No. 5193 (1966). This pumping plant was demolished with pipes grouted and abandoned under Permit No. 18323 (2009).
FS Date: 10/23/2013

LM Start	11.61	Rating **	M	Issue No.	105 (cont)
LM End	11.61	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_24197_42699.jpg



View of waterward side.

Photo 2 of 3 : UCIP_SP_2017_24197_42698.jpg



View of landward slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	11.61	Rating **	M	Issue No.	105 (cont)	
LM End	11.61	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.080517 °	39.080517 °	
				-121.890574 °	-121.890574 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24197 DS_ID:21400 EP_NO: 9986 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0527. FIELD_STRUCT_DESC: 30-inch steel pipe through the levee, 27.5 feet below the crown. Two electric gate valves in concrete pit on waterward end at end of discharge pipe. Two slant pumps on waterward slope. Control switches in CM shed at waterward shoulder. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 889+72). This pipe was retained under ABO No. 9986 (1974). One pump and one gate valve installed under Permit No. 5193 (1966). This pumping plant was demolished with pipes grouted and abandoned under Permit No. 18323 (2009). FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_24197_42697.jpg



View of concrete slab with pump located on landward side.

LM Start	11.61	Rating **	M	Issue No.	64
LM End	11.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.080505 °	39.079599 °
				-121.890594 °	-121.893251 °
DWR ID	DWR_RD0070_02_f_2016_64				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	12.26	Rating **	M	Issue No.	65
LM End	12.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.073416 °	39.073416 °
				-121.889254 °	-121.889254 °
DWR ID	DWR_RD0070_02_f_2016_65				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_65_20170315_00014.jpg



View of a ditch along the landside toe.

LM Start	12.37	Rating **	M	Issue No.	106
LM End	12.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072540 °	39.072540 °
				-121.887807 °	-121.887807 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47033 DS_ID:21402 EP_NO: 9997 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris found on waterward side along berm running parallel to levee. Two crossing found--Need to coordinate with owner to determine permit for second crossing and status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0559. FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.5 feet below the crown. Siphon breaker in CM pipe riser on landward shoulder. Control valve and pump on waterward side. Power pole on waterward shoulder. Discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 930+22). This pipe was retained under ABO No. 9997 (1974). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2017_47033_42141.jpg



Crossing appurtenances located near brush and power pole on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	12.37	Rating **	M	Issue No.	106 (cont)
LM End	12.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072540 °	39.072540 °
				-121.887807 °	-121.887807 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47033
DS_ID:21402
EP_NO: 9997
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Debris found on waterward side along berm running parallel to levee. Two crossing found--Need to coordinate with owner to determine permit for second crossing and status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0559.
FIELD_STRUCT_DESC: 12-inch steel pipe through the levee, 3.5 feet below the crown. Siphon breaker in CM pipe riser on landward shoulder. Control valve and pump on waterward side. Power pole on waterward shoulder. Discharge box at landward toe. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 930+22). This pipe was retained under ABO No. 9997 (1974).
FS Date: 10/23/2013

LM Start	12.37	Rating **	M	Issue No.	106 (cont)
LM End	12.37	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_47033_42139.jpg



Pipe crossing on waterward side. Second pipe comes out approximately 3 feet downstream from this crossing.

Photo 3 of 3 : UCIP_SP_2017_47033_42143.jpg



Pipe section exposed unable to determine if it is still in use.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	12.43	Rating **	M	Issue No.	107
LM End	12.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072480 °	39.072480 °
				-121.886540 °	-121.886540 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50086
DS_ID:24744
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/07/2016 Dense vegetation on both slopes. No damage was observed on levee slopes or crown, crossing was downgraded from Urgent to Non-Urgent. No permit found for crossing. Need to recheck during winter. According to Andy Duffey, District Representative, CVFPB has issued a enforcement letter to owner dated 6/23/2016. (DWR UCIP - omagana)10/23/2013 No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 6-inch aluminum irrigation pipe sleeved through a 10-inch corrugated metal pipe (annular space not grouted) through the levee, 1.5 feet below the crown. Pipe extends down both slopes about 2 feet below crown.
FS Date: 7/7/2016 10:39:00 AM

LM Start	12.43	Rating **	M	Issue No.	107 (cont)
LM End	12.43	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_50086_42883.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

Photo 2 of 3 : UCIP_SP_2017_50086_42882.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	12.43	Rating **	M	Issue No.	107 (cont)	
LM End	12.43	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.072480 °	39.072480 °	
				-121.886540 °	-121.886540 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50086 DS_ID:24744 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/07/2016 Dense vegetation on both slopes. No damage was observed on levee slopes or crown, crossing was downgraded from Urgent to Non-Urgent. No permit found for crossing. Need to recheck during winter. According to Andy Duffey, District Representative, CVFPB has issued a enforcement letter to owner dated 6/23/2016. (DWR UCIP - omagana)10/23/2013 No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 6-inch aluminum irrigation pipe sleeved through a 10-inch corrugated metal pipe (annular space not grouted) through the levee, 1.5 feet below the crown. Pipe extends down both slopes about 2 feet below crown. FS Date: 7/7/2016 10:39:00 AM						

Photo 3 of 3 : UCIP_SP_2017_50086_42881.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	12.46	Rating **	M	Issue No.	108
LM End	12.46	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.072512 °	39.072512 °
				-121.886000 °	-121.886000 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:23984 DS_ID:21403 EP_NO: 3800 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0568. FIELD_STRUCT_DESC: 20-inch steel gas pipe through the levee, 3.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Natural gas equipment pad at landward toe. (Permit No. 3800-1962) FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2017_23984_42172.jpg



Marker located on waterward side.

LM Start	12.46	Rating **	M	Issue No.	108 (cont)
LM End	12.46	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_23984_42171.jpg



Marker on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	12.46	Rating **	M	Issue No.	108 (cont)	
LM End	12.46	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.072512 °		39.072512 °
				-121.886000 °		-121.886000 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:23984 DS_ID:21403 EP_NO: 3800 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0568. FIELD_STRUCT_DESC: 20-inch steel gas pipe through the levee, 3.0 feet below the crown. Concrete cutoff wall around pipe at center of levee. Marker sign on waterward shoulder. Natural gas equipment pad at landward toe. (Permit No. 3800-1962) FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_SP_2017_23984_42170.jpg



Additional appurtenances located on landward side.

LM Start	13.82	Rating **	M	Issue No.	109
LM End	13.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.068270 °	39.068270 °
				-121.862909 °	-121.862909 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47039 DS_ID:21407 EP_NO: 9995 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Records show a 24-inch iron pipe through the waterward side along the old gaging station with the concrete struture located on the waterward slope. FIELD_STRUCT_DESC: [RD No. 70 Drainage Pump] 1 of 5: 30-inch steel drainpipe through the levee at low elevation. Pipe is concrete encased under the crown, between the shoulders. Slide gate on landward side. Flap gate in secured structure on the waterward end. This pipe was retained under ABO No. 9995 (1974). Concrete structure (10x12 foot) on waterward end at discharge end of pipe installed under Permit No. 13420 (1982). FS Date: 10/23/2013					

Photo 1 of 1 : UCIP_SP_2017_47039_42800.jpg



Remains of old gaging station associated with 24-inch iron pipe that extends into the river.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	13.82	Rating **	U	Issue No.	72
LM End	13.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.068370 °	39.068370 °
				-121.862763 °	-121.862763 °
DWR ID	DWR_RD0070_02_s_2017_72				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 1 of 1 : SP_2017_RD0070_30_72_20170410_00122.jpg



View of the erosion along the waterside slope.

LM Start	14.14	Rating **	M	Issue No.	66
LM End	14.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.069849 °	39.069849 °
				-121.857267 °	-121.857267 °
DWR ID	DWR_RD0070_02_f_2016_66				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0070_30_66_20170315_00015.jpg



View of slope instability along the landside slope.

LM Start	15.28	Rating **	M	Issue No.	73
LM End	15.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.065797 °	39.065797 °
				-121.840122 °	-121.840122 °
DWR ID	DWR_RD0070_02_s_2017_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	15.33	Rating **	M	Issue No.	110
LM End	15.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065303 °	39.065303 °
				-121.839230 °	-121.839230 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24229					
DS_ID:21421					
EP_NO: 9990					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine if crossings are still being used.					
This crossing is referenced in the USACE Periodic Inspection as item					
USACE_CESPK_MRD2_2012_p_0685.					
FIELD_STRUCT_DESC: 1 of 2: 24-inch steel pipe sleeved through a 30-					
inch steel pipe through the levee, 24.0 feet below the crown. Gate					
valves on waterward end. Concrete headwall with flap gate on landward					
side. Pumps on pile structure in stream. Wooden walkway to pumps.					
(USACE-1953). This entry matches the Drainage or Irrigation Structure					
referenced in O&M manual (Station 1086+55). This pipe was retained					
under ABO No. 9990 (1974).					
FS Date: 10/23/2013					

LM Start	15.33	Rating **	M	Issue No.	110 (cont)
LM End	15.33	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_24229_42848.jpg



Walkway and pump house on waterward side.

Photo 2 of 3 : UCIP_SP_2017_24229_42849.jpg



Pump house located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	15.33	Rating **	M	Issue No.	110 (cont)
LM End	15.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065303 °	39.065303 °
				-121.839230 °	-121.839230 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24229					
DS_ID:21421					
EP_NO: 9990					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to determine if crossings are still being used.					
This crossing is referenced in the USACE Periodic Inspection as item					
USACE_CESPK_MRD2_2012_p_0685.					
FIELD_STRUCT_DESC: 1 of 2: 24-inch steel pipe sleeved through a 30-					
inch steel pipe through the levee, 24.0 feet below the crown. Gate					
valves on waterward end. Concrete headwall with flap gate on landward					
side. Pumps on pile structure in stream. Wooden walkway to pumps.					
(USACE-1953). This entry matches the Drainage or Irrigation Structure					
referenced in O&M manual (Station 1086+55). This pipe was retained					
under ABO No. 9990 (1974).					
FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_SP_2017_24229_42853.jpg



Overview of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	15.34	Rating **	M	Issue No.	111 (cont)
LM End	15.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065294 °	39.065294 °
				-121.839215 °	-121.839215 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24230 DS_ID:21409 EP_NO: 9990 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossing is still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel pipe sleeved through a 30-inch steel pipe through the levee, 24.0 feet below the crown. Gate valves on waterward end. Concrete headwall with flap gate on landward side. Pumps on pile structure in stream. Wooden walkway to pumps. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55). This pipe was retained under ABO No. 9990 (1974). FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_SP_2017_24230_42858.jpg



Overview of landward side.

LM Start	15.34	Rating **	M	Issue No.	112
LM End	15.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.065285 °	39.065285 °
				-121.839202 °	-121.839202 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:24231 DS_ID:21420 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No daylight visible on landward side. Pipe was visible on waterward side. Need to contact owner to determine status of crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, approximately 15.0 feet below the crown. Gate valves on waterward end. Pumps on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55). FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_SP_2017_24231_42859.jpg



Walkway and structure located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	04/06/2017 04/06/2017	Bob Duffey

LM Start	15.34	Rating **	M	Issue No.	112 (cont)	
LM End	15.34	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.065285 °	39.065285 °	
				-121.839202 °	-121.839202 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:24231						
DS_ID:21420						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No daylight visible on landward side. Pipe was visible on waterward side. Need to contact owner to determine status of crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685.						
FIELD_STRUCT_DESC: 16-inch steel pipe through the levee, approximately 15.0 feet below the crown. Gate valves on waterward end. Pumps on waterward side. (USACE-1953). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (Station 1086+55).						
FS Date: 10/23/2013						

Photo 2 of 3 : UCIP_SP_2017_24231_42863.jpg



View of landward side.

LM Start	15.34	Rating **	M	Issue No.	112 (cont)
LM End	15.34	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_24231_42860.jpg



View of landward side photo taken from concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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